

Features

- For Surface Mount Applications
- Excellent Clamping Capability
- Halogen Free. "Green" Device (Note 1)
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note2) ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- ESD protection of data lines in accordance with IEC 61000-4-2, ±30kV(Air),±30kV (Contact)

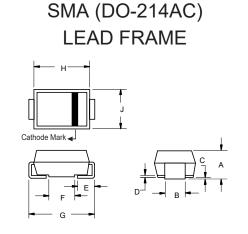
Maximum Ratings

Parameter	Symbol	Value	Unit
Peak Pulse Power Surge Current with a 10/1000µs Waveform	I _{PPM}	10.3	А
Peak Pulse Power Dissipation	P _{PPM}	400	w
Power Dissipatoin on Infinite Heatsink at T_L = 75°C	P _D	2.5	W
Peak Forward Surge Current Unidirectional Only	I _{FSM}	40	А
Operating Junction Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	T _{STG}	-55 to +150	°C

Note:

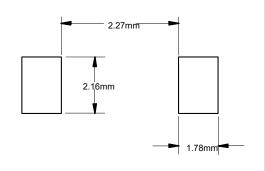
- 1. Halogen free "Green" products are defined as those which contain <900ppm bromine,
- <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.
- 2. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.
- 3. Mounted on 0.2 x 0.2" (5.0 x 5.0 mm) copper pads to each terminal.

Snap back 400 Watt TVS 24V

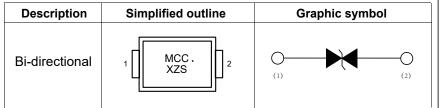


DIMENSIONS							
DIM	INC	HES	M	М	NOTE		
DIN	MIN	MAX MIN M		MAX	NOTE		
А	0.075	0.090	1.90	2.30			
В	0.050	0.064	1.27	1.63			
С	0.002	0.008	0.051	0.203			
D		0.020		0.51			
E	0.030	0.060	0.76	1.52			
F	0.065	0.091	1.65	2.32			
G	0.189	0.220	4.80	5.59			
Н	0.157	0.187	4.00	4.75			
J	0.090	0.115	2.25	2.92			

SUGGESTED SOLDER PAD LAYOUT



Internal Structure

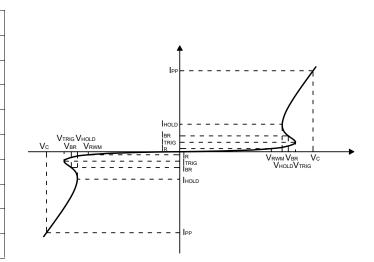


•: The locations of the dots represent different product lines



Electrical Characteristics Curve

Symbol	Parameter		
V _{RWM}	Peak Reverse Working Voltage		
۱ _R	Reverse Leakage Current @ VRWM		
V _{BR}	Breakdown Voltage @ IT		
I _{PP}	Maximum Reverse Peak Pulse Current		
V _c	Clamping Voltage @ IPP		
V _{TRIG}	Reverse Trigger Voltage		
I _{TRIG}	Reverse Trigger Current		
V _{HOLD}	Reverse Holding Voltage		
I _{HOLD}	Reverse Holding Current		



Electrical Characteristics @ 25°C Unless Otherwise Specified

MCC Part Number	Working Peak Reverse Voltage	Breakdo	wn Voltage	e V _{BR} @I _T	Clamping Voltage Vc@IPP		Maximum Reverse Surge Current	Maximum Reverse Leakage @V _{RWM}	Device Marking Code
(Bi)	V _{RWM} (V)	Min (V)	Max (V)	I _T (mA)	Typ(V)	Max (V)	I _{PP} (A)	I _R (μA)	Bi
SMAJS24CA	24	26.7	29.5	1	20.5	38.9	10.3	1	XZS





Curve Characteristics

1_{PPM}

1

2

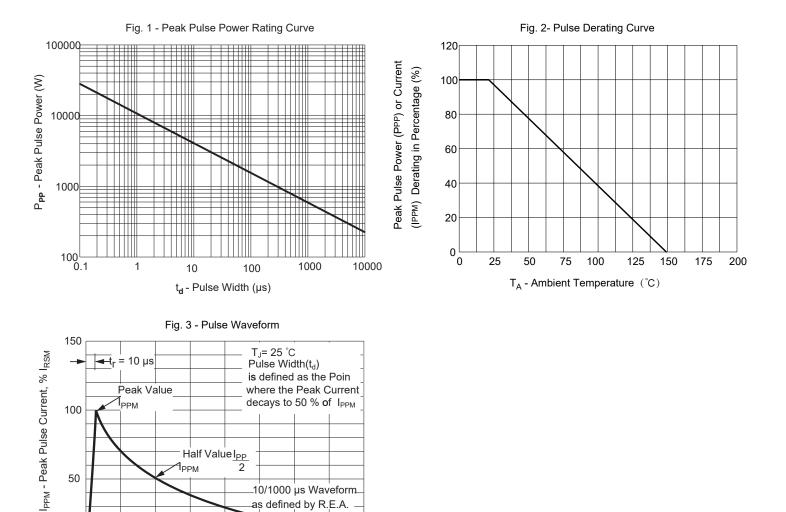
2

t - Time (ms)

10/1000 µs Waveform_ as defined by R.E.A.

4

3



50

0 0



Ordering Information

Device	Packing			
Part Number-TP	Tape&Reel:5Kpcs/Reel			

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